

Message Text

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SUBJECT: GOB METALLURGY MINISTRY EQUIPMENT LISTS

REF: A) STATE 155800, B) SOFIA 1055

1. SUMMARY: EMBOFF MET WITH CHIEF OF INTERNATIONAL COOPERA-
TION DEPT OF THE GOB MINISTRY OF METALLURGY AND MINERAL
RESOURCES ON JUNE 29 TO PASS ON DOC'S COMMENTS (REF A) ON
THE MINISTRY'S EQUIPMENT LISTS (REF B). MINISTRY PLANS TO
HAVE RESPONSES PREPARED WITHIN TEN DAYS. ALSO DISCUSSED
NEW EQUIPMENT AND TECHNOLOGY REQUIREMENTS RAISED BY MINISTRY
DURING MEETING WITH AMERICAN PARTICIPANTS IN TSS PROCESS
CONTROLS ON JUNE 15. MINISTRY EXPRESSED SOME INTEREST IN
INTERNATIONAL MINING SHOW. DISCUSSED GENERAL FRAMEWORK
FOR PLANNING VISIT TO US FOR FIRST DEPUTY MINISTER DACHEV.
END SUMMARY.

2. EMBOFF THIBAUT REVIEWED IN DETAIL DOC'S COMMENTS
WITH CHIEF OF THE INTERNATIONAL COOPERATION DEPT OF THE
MINISTRY OF METALLURGY AND MINERAL RESOURCES ZHELYU MARKOV
ON JUNE 29. MARKOV TOOK DETAILED NOTES AND STATED THAT
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THE MINISTRY'S SPECIALISTS WILL HAVE RESPONSES PREPARED
WITHIN TEN DAYS. AS DONE PREVIOUSLY, MINISTRY WILL FOR-
WARD LISTS TO THE EMBASSY FOR REVIEW AND SCHEDULE MEETING
SHORTLY THEREAFTER FOR DISCUSSIONS.

3. DURING THE SPECIAL MEETING AT THE MINISTRY ON JUNE 15
WITH THE AMERICAN PARTICIPANTS OF THE TSS PROCESS CONTROLS,

ZHELYU MARKOV RAISED SEVERAL EQUIPMENT REQUIREMENTS, AND DIRECTOR OF PLANNING FOR THE THIRD METALLURGICAL COMPLEX ATANAS MARKOV RAISED OTHERS. THE ITEMS WERE DISCUSSED AT THAT TIME IN BOTH SPECIFIC AND GENERAL DETAILS, DEPENDING ON THE INTERESTS OF THE AMERICAN COMPANIES. EMBOFF REQUESTED THAT THE MINISTRY FRAME THE EQUIPMENT AND TECHNOLOGY REQUIREMENTS IN THE SAME FORMAT USED FOR REF B AND EMBASSY WILL FORWARD TO DOC FOR DISSEMINATION TO OTHER AMERICAN FIRMS. MARKOV AGREED AND MINISTRY WILL ATTEMPT TO DEFINE SPECIFIC NEEDS WITHIN TEN DAYS. THE FOLLOWING ITEMS WERE RAISED BY ZHELYU MARKOV ON JUNE 15 AND RECONFIRMED ON JUNE 29 AS BEING OF INTEREST TO MINISTRY:

A. MEASUREMENT INSTRUMENTS FOR THE ANALYSIS OF MELTED NON-FERROUS METALS (COPPER, COPPER ALLOYS, COPPER SLAGS). CONSTANT MEASUREMENT OF TEMPERATURE AND CAPABLE OF OPERATING AT TEMPERATURES OF UP TO 1300 DEGREES C.

B. DEVICES AND SYSTEMS FOR THE MEASUREMENT AND REGULATION OF THICKNESSES OF STRIPS OF NON-FERROUS METALS AT THE COLD ROLLING STAGE. STRIPS TO BE WITH THICKNESSES OF .05 TO 2 MM.

C. INSTRUMENTS TO TEST THE QUALITY, WITHOUT PRODUCT DESTRUCTION, MAINLY FOR NON-FERROUS METALS COLD ROLLING STAGE, BUT MINISTRY INTERESTED IN SIMILAR EQUIPMENT FOR HOT UNCLASSIFIED

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ROLLING STAGE. WE RAISED QUESTIONS OF REF A PARA 4A AS PROBABLY APPLYING TO THIS REQUIREMENT. METALS INVOLVED ARE COPPER, COPPER ALLOYS AND ALUMINUM.

D. RELATED TO ORE DRESSING PROCESSES: TESTING EQUIPMENT FOR CONSTANT ANALYSIS OF THE CHEMICAL CONTENT OF NON-FERROUS ORES AND CONCENTRATES FOR FLOTATION PROCESS. REQUIRE PERIODIC ANALYSIS OF FEEDING ORES AND CONCENTRATES, AND TAIL.

E. CONTROL VALVES FOR USE IN STEEL PLANTS CAPABLE OF HANDLING 20 ATMOSPHERES PRESSURE. (COMMENT: BELIEVE THIS REQUIREMENT DISCUSSED WITH MASONEILAN REP AT A SEPARATE MEETING.)

4. REGARDING CONTEMPLATED THIRD METALLURGICAL COMPLEX, ON JUNE 15 ATANAS MARKOV STATED THAT THE GOB IS STILL CONDUCTING TECHNICAL AND ECONOMIC FEASIBILITY STUDIES. MARKOV STATED THAT THE GOB INTENDS TO BUILD THE COMPLEX IN STAGES, BEGINNING WITH A ROLLING MILL TO BE IN OPERATION IN

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1982 OR 1983. AT THIS TIME MINISTRY PLANS CAPACITY OF 800,000 TONS ANNUALLY FOR ROLLING MILL. MARKOV ASKED AMERICAN REPS ABOUT THE READINESS OF THEIR FIRMS TO UNDERTAKE STUDIES FOR THE AUTOMATION AND MANAGEMENT CONTROL SYSTEMS FOR THE ROLLING MILL TO BE INTEGRATED INTO A MANAGEMENT SYSTEM FOR THE ENTIRE COMPLEX. HE ADDED THAT IT IS THE POLICY OF THE GOB THAT THE BULGARIAN ELECTRONICS INDUSTRY PARTICIPATE IN THE DEVELOPMENT OF THE SYSTEM AND THAT BULGARIAN HARDWARE AND SOFTWARE BE USED AS MUCH AS POSSIBLE. (COMMENT: HONEYWELL REPS OFFERED THE MINISTRY THE OPPORTUNITY TO OPEN DISCUSSIONS THIS SUMMER WITH A TEAM OF COMPANY ENGINEERS, WHICH REGULARLY TRAVELS TO WESTERN EUROPE. THE AMERICAN PARTICIPANTS POINTED OUT TO MARKOV THAT THE DESIGN OF SUCH A SYSTEM WILL REQUIRE CLOSE COORDINATION WITH THE ENGINEERING COMPANY PROVIDING THE PLANNING FOR THE COMPLEX. MARKOV ADDED THAT NO SINGLE ENGINEERING COMPANY WILL PROVIDE THE PLANS FOR THE COMPLETE PROJECT, ALTHOUGH THE BULGARIANS RECOGNIZE THEY DO NOT HAVE THE EXPERIENCE TO BUILD SUCH A LARGE COMPLEX. END COMMENT.) EMBOFF ASKED ZHELYU MARKOV IF MINISTRY INTENDED TO PROVIDE TECHNOLOGY REQUIREMENTS FOR THE MANAGEMENT CONTROL SYSTEM; HE AGREED THAT SPECIALISTS SHOULD PROVIDE GENERAL PARAMETERS FOR THIS ITEM, BUT HE WILL DISCUSS WITH DIRECTOR MARKOV.

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5. WE SPENT SEVERAL MINUTES DISCUSSING THE INTERNATIONAL

MINING SHOW AND THE USEFULNESS OF HAVING THE MINISTRY'S SPECIALISTS ATTEND. MARKOV IS INTERESTED IN IDEA AND WILL RAISE WITH SPECIALISTS. ALSO, DURING PREVIOUS MEETINGS, MARKOV RAISED ISSUE OF EMBASSY ASSISTANCE FOR ESTABLISHING CONTACTS WITH AMERICAN FIRMS FOR THE MARKETING OF AN AUTOMATED OPEN-PIT TRANSPORT SYSTEM (ASTRA) DEVELOPED BY THE BULGARIANS. WE HAVE NOT OFFERED ANY ASSISTANCE FOR GOB ON THIS ITEM, BUT SUGGESTED THAT THE MINISTRY MAY WISH TO CONSIDER EXHIBITING THE SYSTEM IN LAS VEGAS OR AT LEAST SEND LITERATURE AND SPECIALISTS TO DISCUSS THE IDEA WITH AMERICAN FIRMS AT THE SHOW. MARKOV SAID THE MINISTRY WILL COMPILE INFORMATION ON THE SYSTEM, PROVIDING A COPY TO THE EMBASSY, AND FORWARD THE LITERATURE TO THE BULGARIAN TRADE OFFICE IN NEW YORK.

6. MINISTRY UNDERSTANDS THAT IT IS STILL TOO SOON TO MAKE TRAVEL PLANS FOR FIRST DEPUTY MINISTRY DACHEV FOR HIS VISIT TO US. EMBOFF ASKED ZHELYU MARKOV TO PREPARE LIST OF PRIORITY INTERESTS OF DACHEV, WHICH COULD SERVE AS INITIAL GUIDE TO EMBASSY AND DOC FOR PLANNING PURPOSES. MARKOV AGREED WITH CONCEPT AND NOTED THAT DACHEV IN PROCESS OF RECOVERING FROM SEVERE BOUT WITH FLU, AND REMAINS ON RESTRICTED SCHEDULE. REQUEST ANY INFO DOC MAY HAVE ACQUIRED ON THE INTERESTS OF VARIOUS COMPANIES TO MEET WITH DACHEV WHEN HE TRAVELS TO US.
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